

Figure 1A - 1C

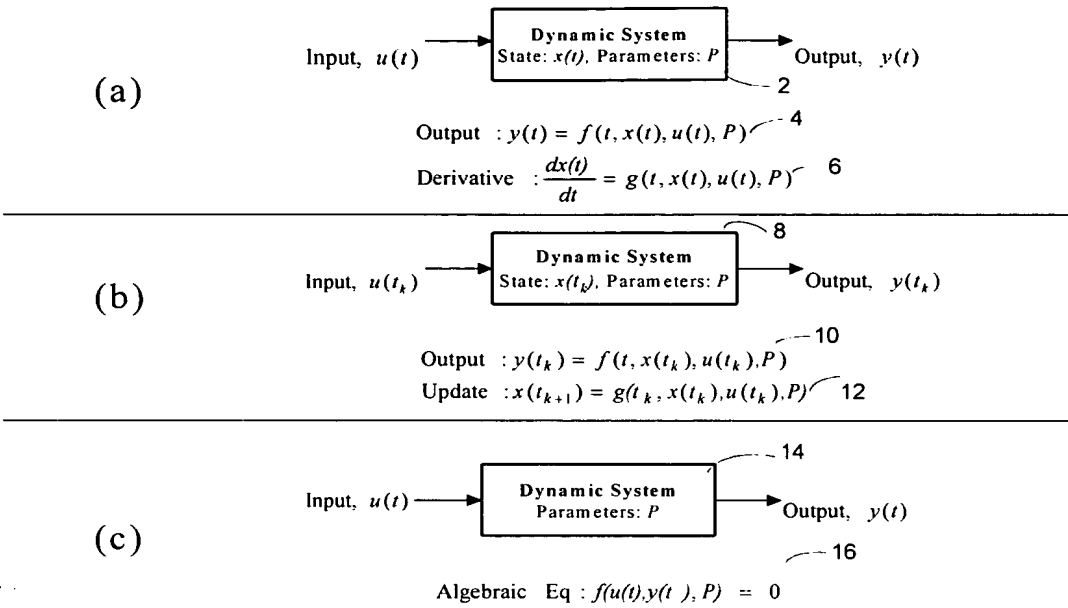


Figure 2

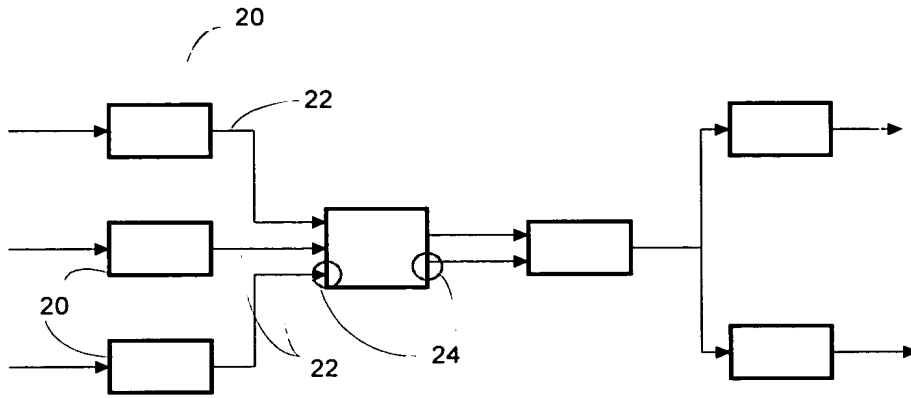


Figure 3

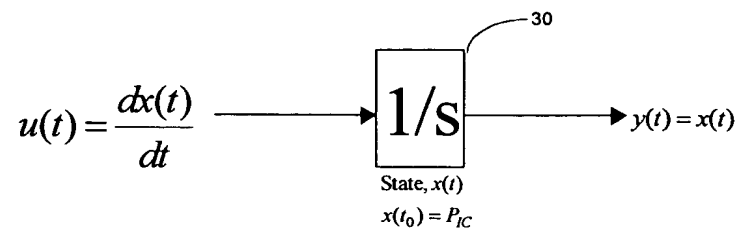


Figure 4

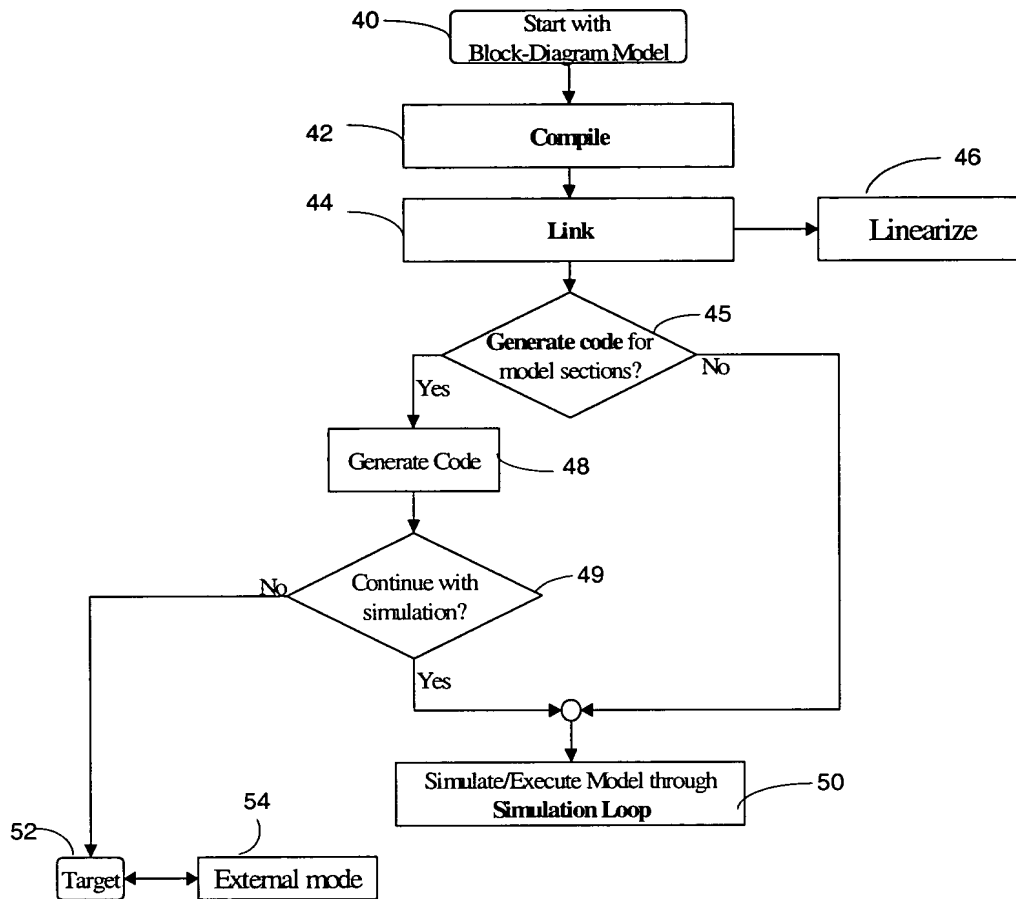
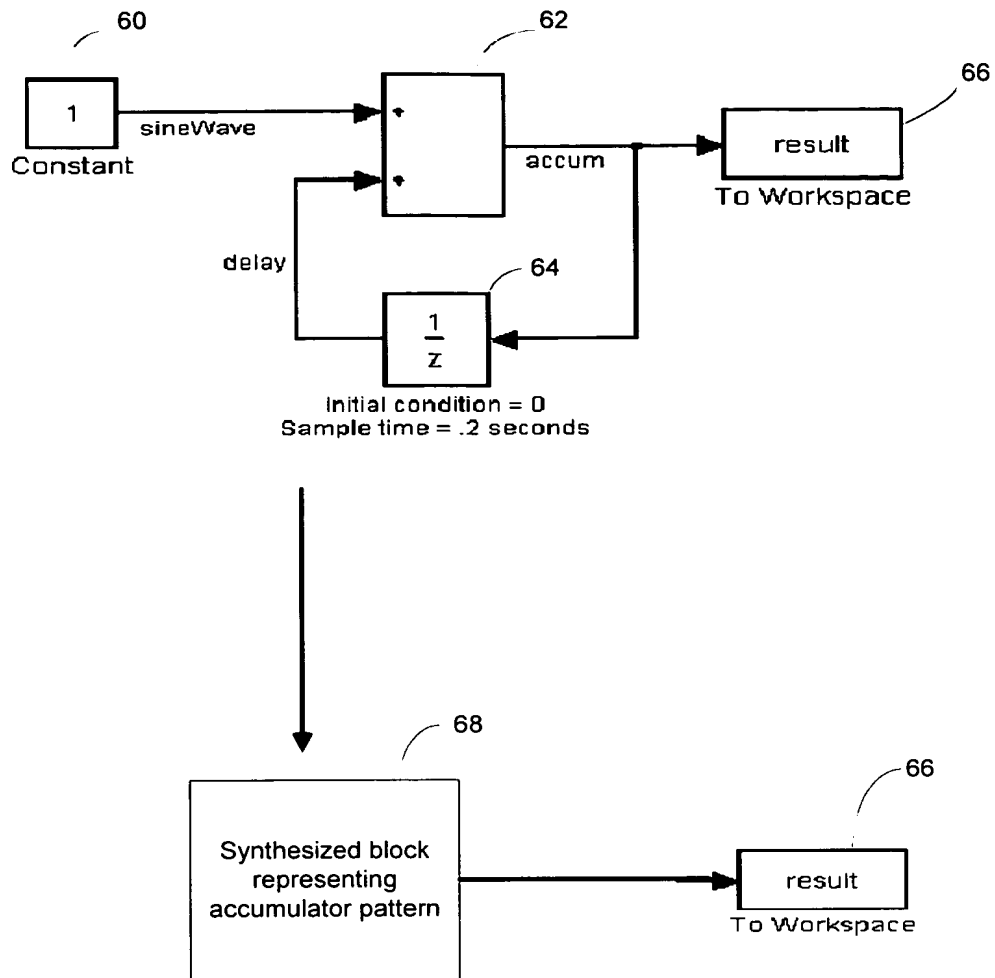
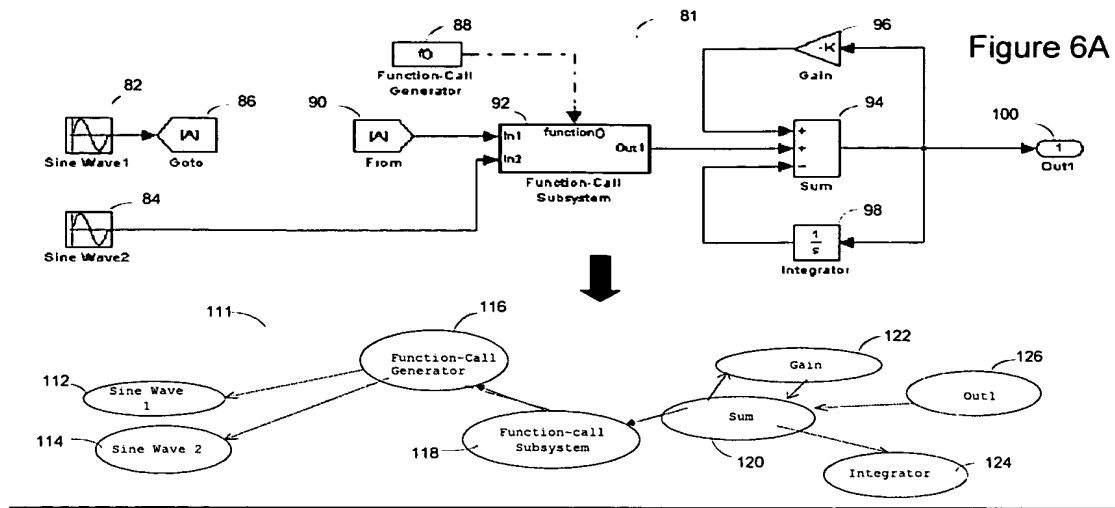


Figure 5





Sorted List:

0:0 Sine Wave 1  
0:1 Sine Wave 2  
0:2 Function-Call Generator  
0:3 Function-Call Subsystem  
0:4 Integrator  
0:5 Gain (algebraic id 0#1)  
0:6 Sum (algebraic variable for id 0#1)  
0:7 Out1

128

Figure 6B

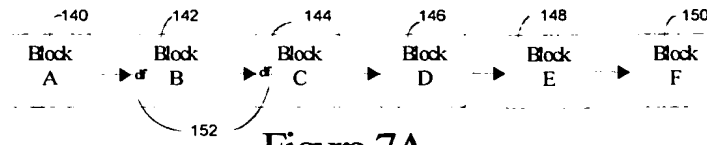


Figure 7A

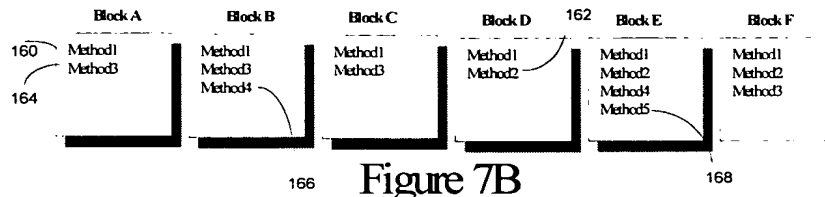


Figure 7B

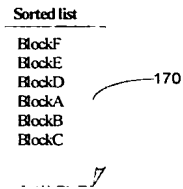


Figure 7C

Figure 8

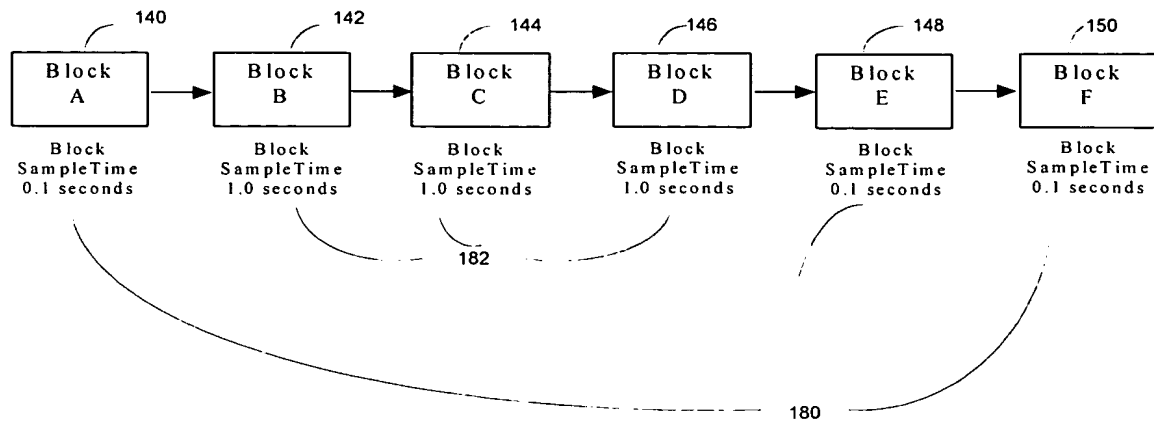




Figure 9

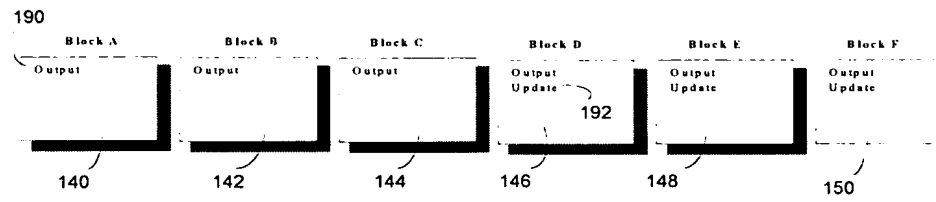


Figure 10

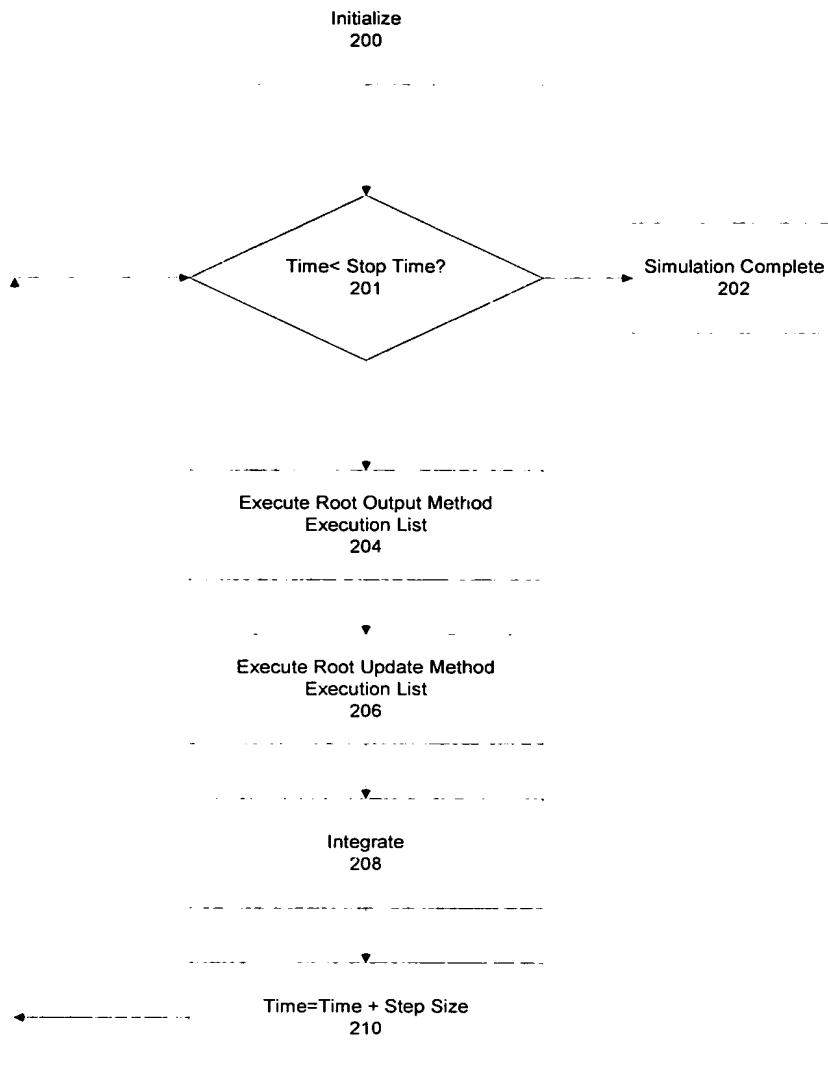
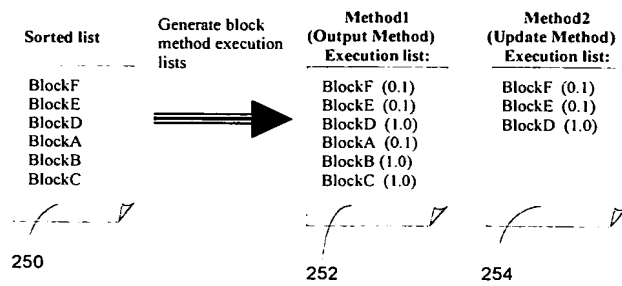


Figure 11A



259

Sorted list	Sample time
F (output/update)	0.1
E (output/update)	0.1
D (output/update)	1
A (output)	0.1
B (output)	1
C (output)	1

Figure 11B

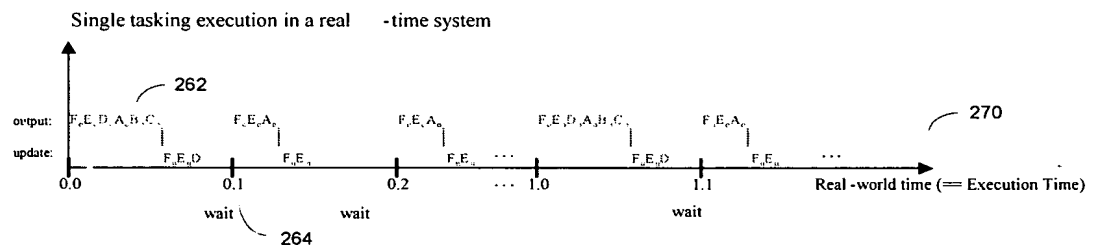
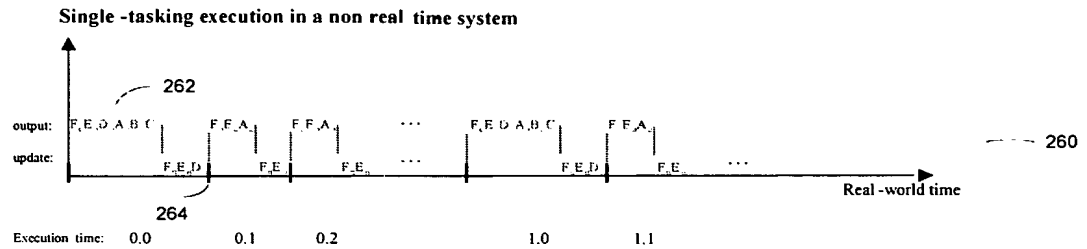


FIGURE 12A

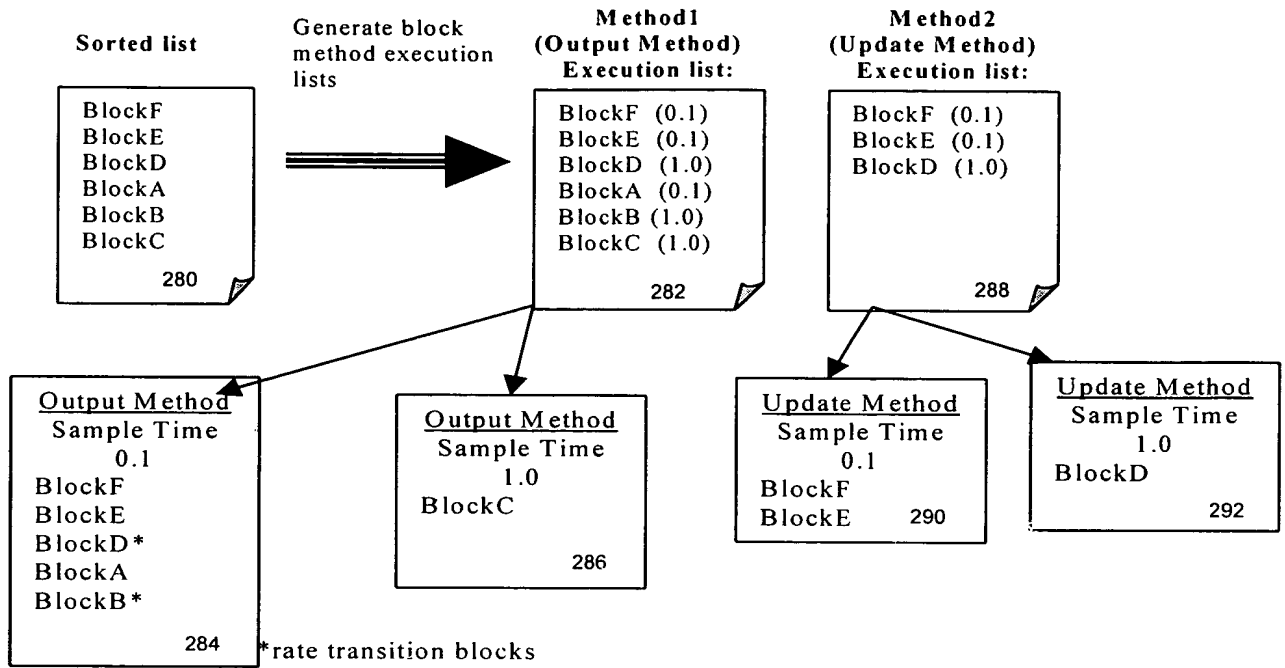


Figure 12B

Sorted list	Sample time
F (output/update)	0.1
E (output/update)	0.1
D (output/update)	1 promoted to 0.1 task
A (output)	0.1
B (output)	1 promoted to 0.1 task
C (output)	1

302

304

Execution in multi-tasking mode

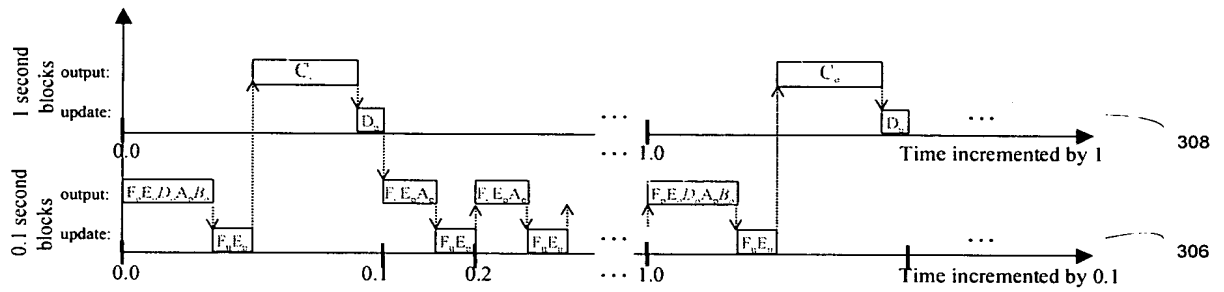


Figure 13

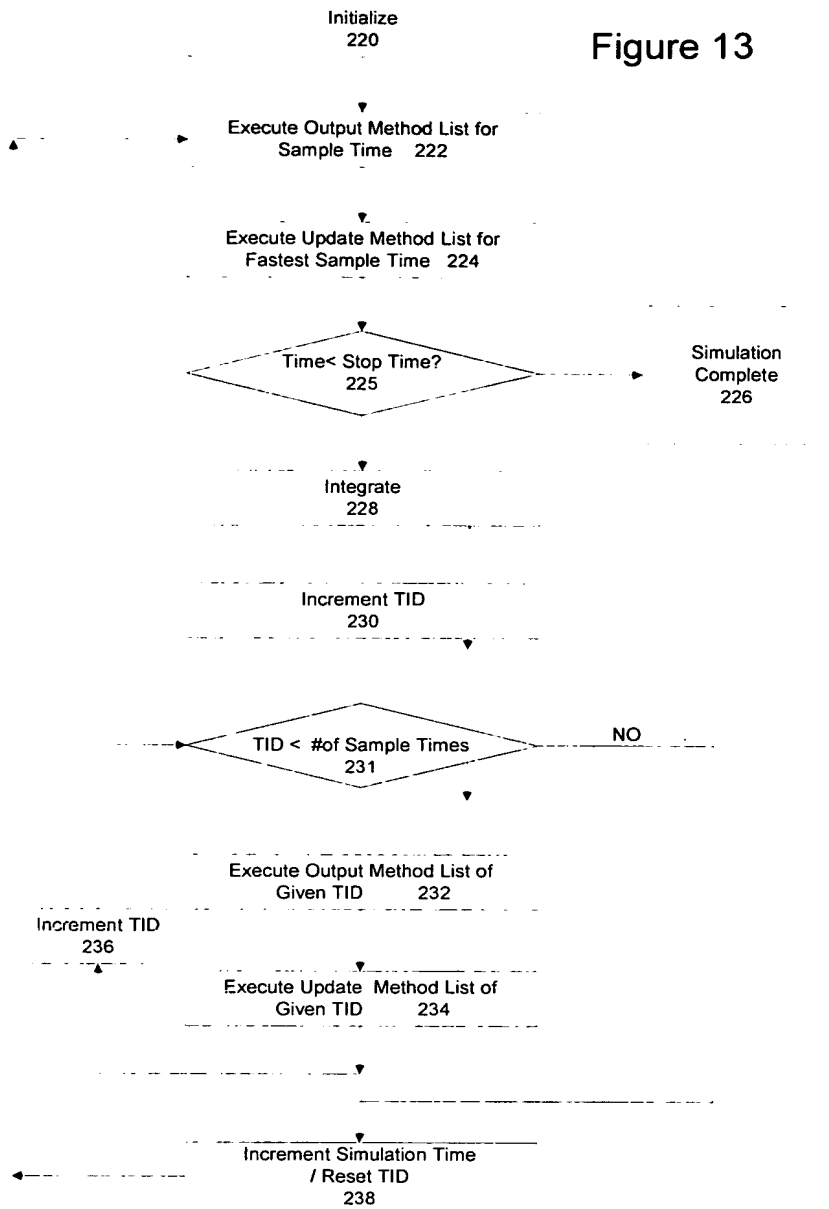
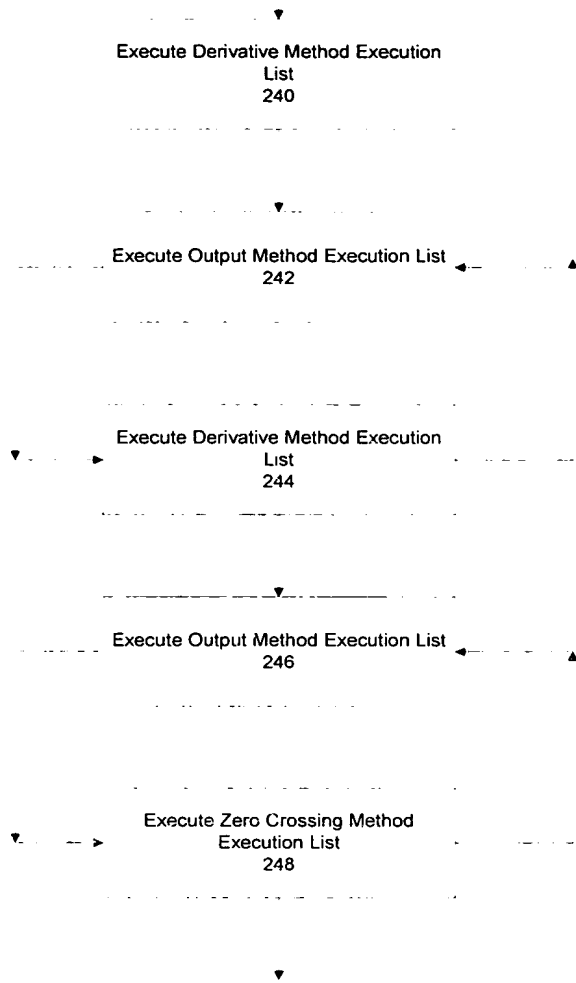


Figure 14





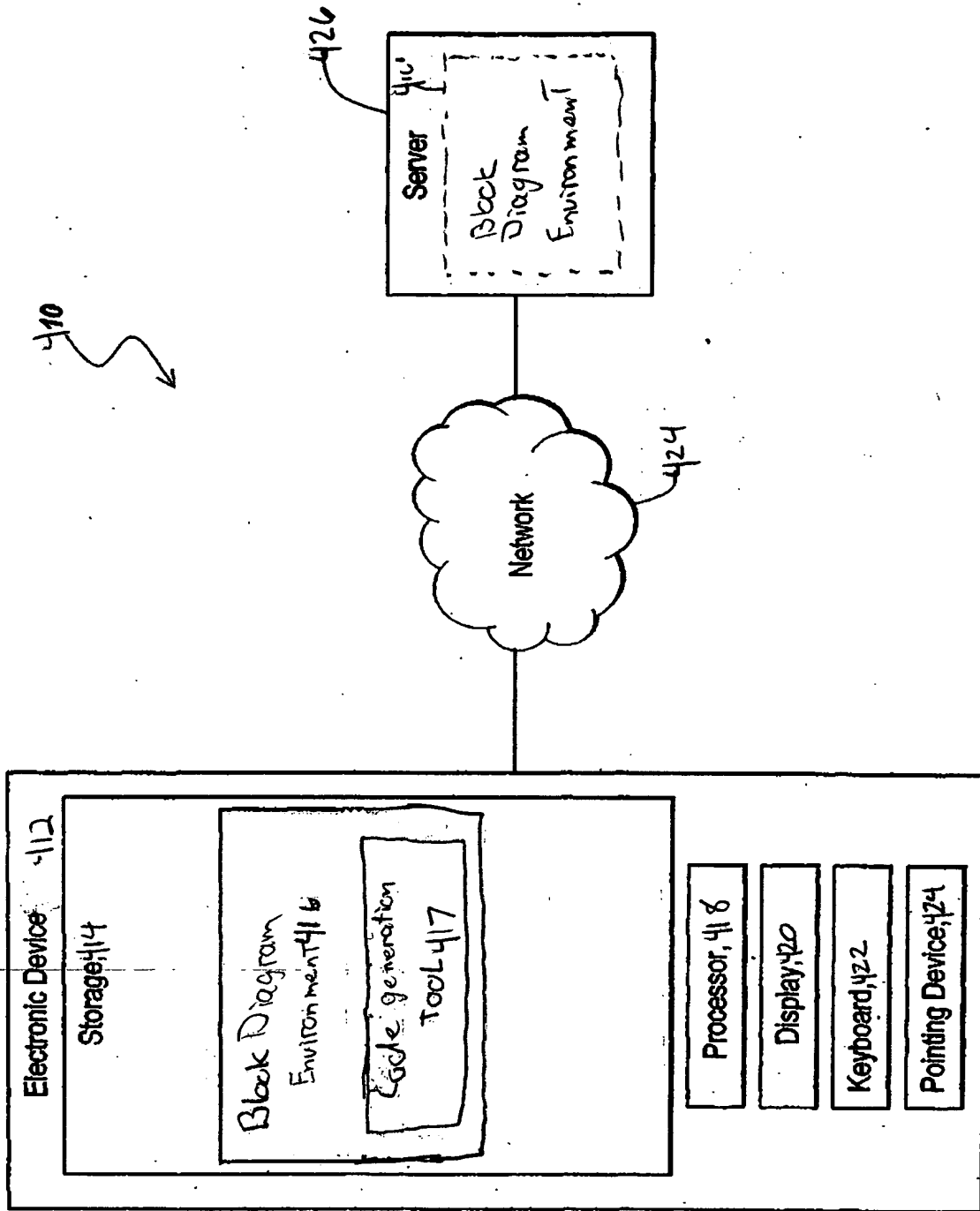
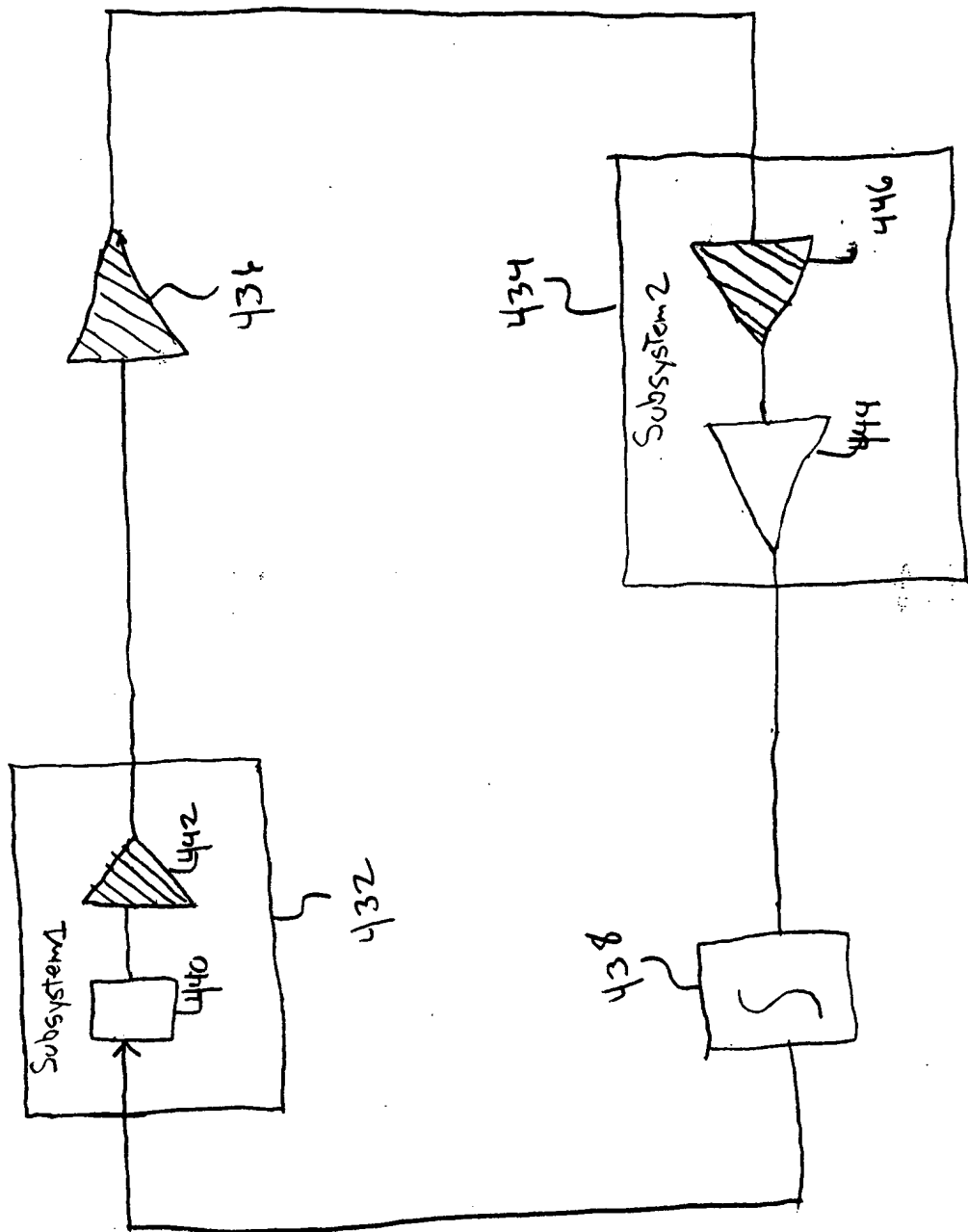


FIGURE 15

430

Block Diagram Model



 = First Operating Rate  
 = Second Operating Rate

FIGURE 16

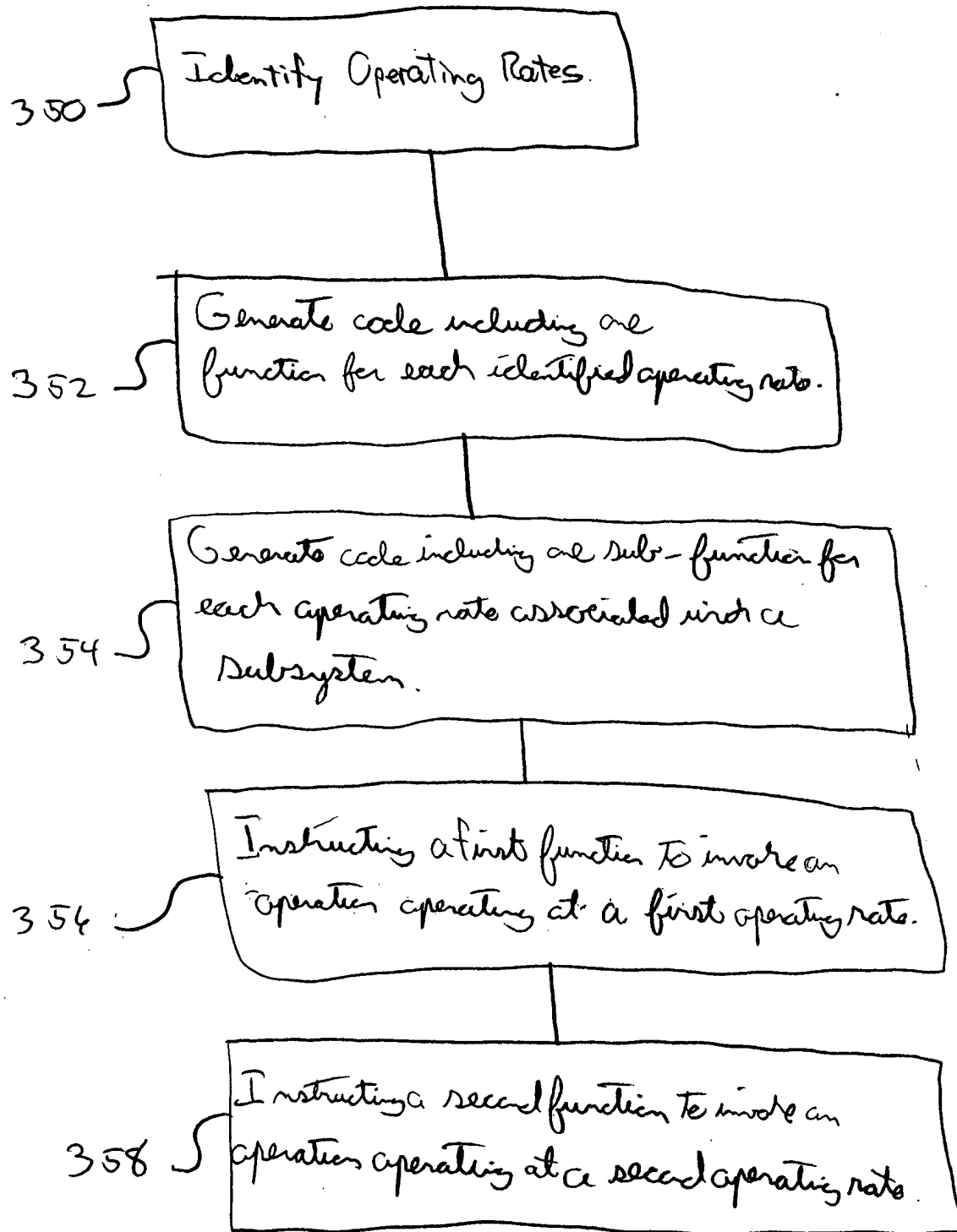
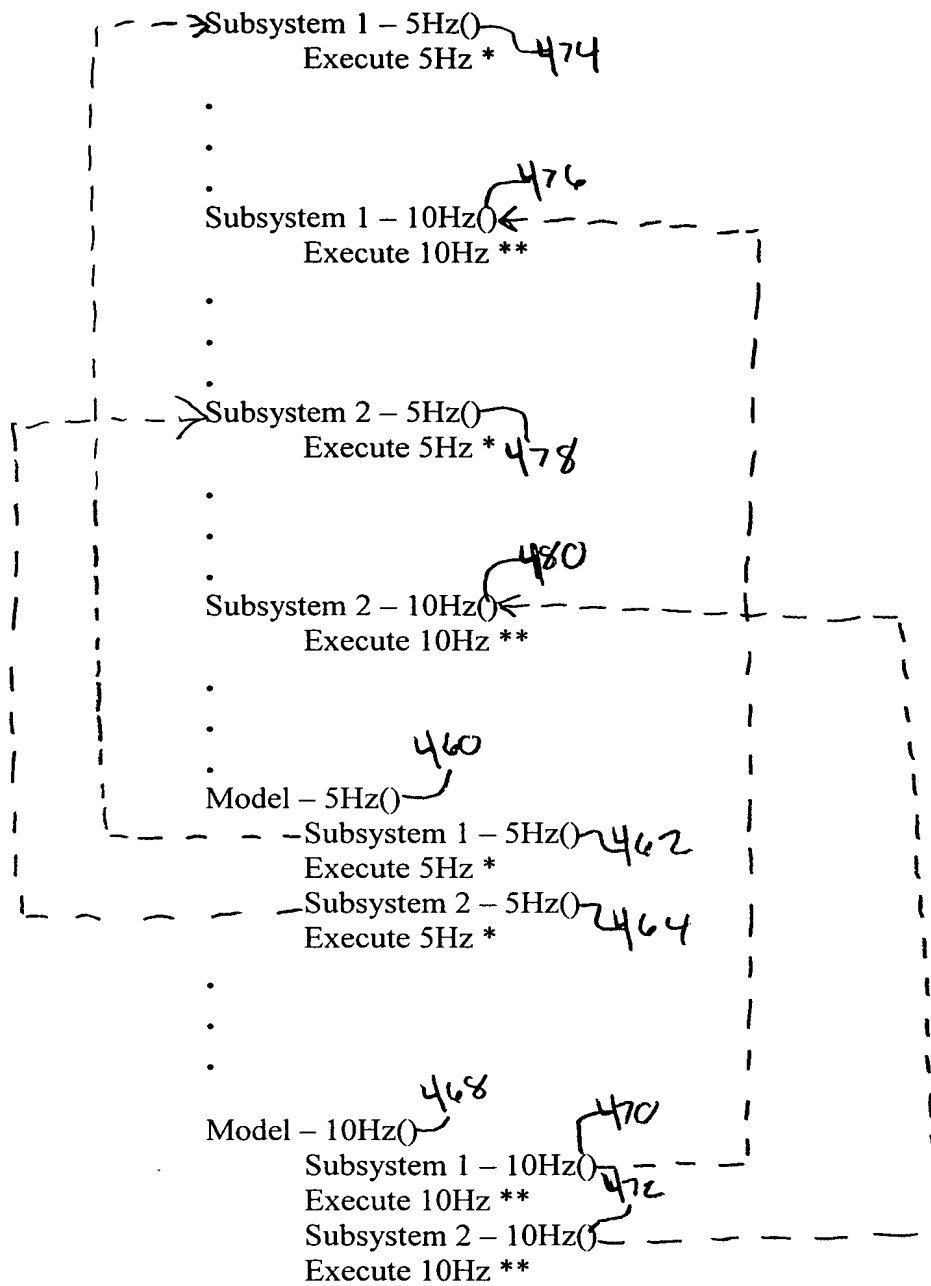


FIGURE 17



\* blocks or portions of blocks associated with 5Hz rate

\*\* blocks or portions of blocks associated with 10Hz rate

Figure 18